

PTFE / Graphite = FLUORO:GRAF® 2.0



Common fluids:

- Caustic solutions.
- Dilute acids and salts.
- Mineral oils. Synthetic oils.
- Water/glycol mixtures.
- Treated water.
- Low-pressure condensate
- Cooling tower water.

Common equipment:

- Centrifugal pumps.
- Mixers.
- Agitators.
- Valves.



The most versatile packing to date, the preferred choice for OEM's equipment's.

Inter-braided packing constructed from PTFE-based **FLUORO:GRAF® 2.0** filaments intimately blended with graphite particles and perfectly balanced, making it the most cost-effective maintenance solution for general plant services.

The **FLUORO:GRAF® 2.0** packing is resistant to most chemicals within the pH range of 0-14 (with the exception of molten alkali metals and elemental fluorine).

It withstands temperatures from -210°C to +260°C. It can also operate in high-speed applications up to 20 m/s thanks to its self-lubricating, high-temperature mineral additives.

FLUORO:GRAF® 2.0 is the "Warehouse Standard," the packing solution for a wide range of equipment, a must-have if you have:

- **Centrifugal Pumps:** For transferring industrial water, seawater, and light chemical solutions.
General Purpose Valves: Ideal for gate and globe valves in utility lines.
- **Agitators and Mixers:** In processes where speed is not extreme and an economical seal is required.
- **Industries:** Textile, water treatment, mining (general services), and agriculture.

Competitive Advantages:

- **Cost-Benefit Ratio:** Offers superior performance to lubricated vegetable or synthetic fiber packings at a lower price than carbon fibers.
- **Self-Lubrication:** The graphite content acts as a solid lubricant that reduces heat generated by shaft friction.
- **Low Maintenance:** It does not rot or decompose over time, maintaining its volume in the stuffing box.
- **Versatility:** A single inventory code can cover 70% of the applications in a standard process plant.

*Note: Not recommended for use in highly oxidizing media, fuming nitric acid, aqua regia, gaseous fluorine, inks, and varnishes.

TECHNICAL DATA

Properties:	FLUORO:GRAF® 2.0	Packing
Composition:	Fibra FLUORO:GRAF® 2.0 (PTFE / Graphite)	
Temperature, Max:	536	°F
Temperature, Min:	-328	°F
Max. Pressure, Rotating:	435	psi
Max. Pressure, Reciprocating:	1,160	psi
Max. Pressure, Valves:	2,031	psi
Shaft Speed:	3,938	fpm
pH Range:	0-14	

****The maximum temperature and pressure limits should not occur simultaneously.**

AVAILABILITY:

Availability:	FLUORO:GRAF® 2.0	Packing
1/8", 5# Boxes:	87.80	ft / lbs.
3/16", 5# Boxes:	38.69	ft / lbs.
1/4", 5# Boxes:	22.32	ft / lbs.
5/16", 5# Boxes:	16.37	ft / lbs.
3/8", 5# Boxes:	9.38	ft / lbs.
7/16", 5# Boxes:	7.59	ft / lbs.
1/2", 5# Boxes:	5.51	ft / lbs.
9/16", 5# Boxes:	4.46	ft / lbs.
5/8", 11# Boxes:	3.57	ft / lbs.
3/4", 11# Boxes:	2.53	ft / lbs.
7/8", 11# Boxes:	1.93	ft / lbs.
1", 11# Boxes:	1.64	ft / lbs.
Thickness Tolerance:	±10 %	
Notes:	The packaged product may have a variation of ±10%. *Other millimeter measurements and larger cross-sections are available upon request.	